

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/35087

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12N 15/11; C12Q 1/68; A61K 48/00 US CL : 536/23.1; 435/6; 514/44 According to International Patent Classification (IPC) or to both national classification and IPC																				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 536/23.1; 435/6; 514/44 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>PARRISH, S. et al. Functional Anatomy of a dsRNA Trigger: Differential Requirement for the Two Trigger Strands in RNA Interference. Molecular Cell. November 2000, vol 6, pages 1077-1087, especially figures 5 and 6.</td> <td>1-13, 36-46, 69-76</td> </tr> <tr> <td>X</td> <td>ELBASHIR, S. et al. Functional Anatomy of siRNAs for mediating efficient RNAi in Drosophila melanogaster embryo lysate. The EMBO Journal. 2001, vol. 20, pages 6877-6888, see entire document.</td> <td>1-11, 14, 15, 18, 22, 36-44, 47, 48, 51, 55, 75, 76</td> </tr> <tr> <td>X</td> <td>GRIFFEY et al. 2'-O-Aminopropyl Ribonucleotides: A Zwitterionic Modification that Enhances the Exonuclease Resistance and Biological Activity of Antisense Oligonucleotides, Journal of Medicinal Chemistry 1996, Vol 39, pages 5100-5109, see entire document.</td> <td>1, 11, 14, 15, 36, 44, 47, 48</td> </tr> <tr> <td>X</td> <td>PITTS et al. Inhibition of human telomerase by 2'-O-methyl RNA Proceedings of the National Academy of Sciences of the USA September 1998, Vol 95, pages 11549-11554, see entire document</td> <td>1-4, 7-11</td> </tr> <tr> <td>E,X</td> <td>US 2003/0206887 A1 (MORRISSEY et al.) 6 November 2003 (6.11.2003), see entire document, particularly paragraphs 49-91.</td> <td>1-83</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	PARRISH, S. et al. Functional Anatomy of a dsRNA Trigger: Differential Requirement for the Two Trigger Strands in RNA Interference. Molecular Cell. November 2000, vol 6, pages 1077-1087, especially figures 5 and 6.	1-13, 36-46, 69-76	X	ELBASHIR, S. et al. Functional Anatomy of siRNAs for mediating efficient RNAi in Drosophila melanogaster embryo lysate. The EMBO Journal. 2001, vol. 20, pages 6877-6888, see entire document.	1-11, 14, 15, 18, 22, 36-44, 47, 48, 51, 55, 75, 76	X	GRIFFEY et al. 2'-O-Aminopropyl Ribonucleotides: A Zwitterionic Modification that Enhances the Exonuclease Resistance and Biological Activity of Antisense Oligonucleotides, Journal of Medicinal Chemistry 1996, Vol 39, pages 5100-5109, see entire document.	1, 11, 14, 15, 36, 44, 47, 48	X	PITTS et al. Inhibition of human telomerase by 2'-O-methyl RNA Proceedings of the National Academy of Sciences of the USA September 1998, Vol 95, pages 11549-11554, see entire document	1-4, 7-11	E,X	US 2003/0206887 A1 (MORRISSEY et al.) 6 November 2003 (6.11.2003), see entire document, particularly paragraphs 49-91.	1-83
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																				
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Date of the actual completion of the international search 20 December 2004 (20.12.2004)		Date of mailing of the international search report 24 JAN 2005																		
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer <i>Jamala Shalamba</i> Tracy Vivlemore Telephone No. 571-272-1600																		